

Claims

1. Fluorescent lamp adapted for cold environments, which comprises an elongated main tube (11), a fixing device (12) at each end of the fluorescent lamp (1) for fixing the fluorescent lamp (1) in a light fitting (27), two electrodes (15) provided with emitter material placed inside the main tube (11), a heat-insulating outer tube (20) that surrounds the main tube (11) and creates an airspace (22) between the main tube (11) and the outer tube (20) in order to insulate the main tube (11) of the fluorescent lamp (1) from a cold surrounding atmosphere, each fixing device (12) comprising an end cap (41) with a radial part (41b), that delimits an outer end plane of the fluorescent lamp (1), and with an axial peripheral part (41a), characterized in that the axial peripheral part (41a) of the end cap (41) is connected to an end of the outer tube (20) and in that an axial spacer (29) with low heat conductivity has a first end part (33) that is connected to an end (34) of the main tube (11) and a second end part (35, 38) that adjoins the outer end plane and keeps the main tube (11) separate from the end cap (41) in order to reduce the transmission of heat from the main tube (11) to the end cap (41) and the outer tube (20).

20

2. Fluorescent lamp according to Claim 1, characterized in that the second end part (35, 38) of the spacer (29) has one or several radially-projecting guide elements (37; 38) in order to make easier the assembly of the outer tube (20) and the end cap (41) when assembling the fluorescent lamp (1).

25

3. Fluorescent lamp according to Claim 2, characterized in that the guide element is in the shape of a disk-shaped radial flange (37).

30 4. Fluorescent lamp according to Claim 2, characterized in that the

guide element is in the shape of a plurality of radial lugs (38) distributed around the circumference.